

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2020	(118/726).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/02 16:14
L2	1100	(@ad<"20050304" or @rlad<"20050304") and L1	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 16:14
L3	198	L2 and (roller or conveyor or in-line or web)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 16:14
L5	469	cigs near3 solar adj2 cell	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 16:57
L6	384	L5 and (control\$4 or sens\$3 or detect\$3 or monitor\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 16:57
L7	216	(solar near3 cell) and (roller or conveyor or in-line or web) and (sens\$3 or detect \$3 or monitor\$3 or quartz near3 crystal) near5 thickness	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 17:02
L8	219	(solar near3 cell) and (roller or conveyor or in-line or web) and (sens\$3 or detect \$3 or monitor\$3 ) near5 composition	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 17:05
L9	129	(@ad<"20050304" or @rlad<"20050304") and 8	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 17:05
L10	9	(solar near3 cell) and (roller or conveyor or in-line or web) and (sens\$3 or detect \$3 or monitor\$3 ) near5 composition same outside	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 17:13
L11	2	(@ad<"20050304" or @rlad<"20050304") and 10	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 17:13
L14	16	("3539883"   "3560812"   "3614549"   "3978510"   "4016586"   "4024558").PN. OR ("4121238").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 17:18
L15	28	(solar near3 cell) and (X-ray near2 fluorescence or SRF or EDX or energy adj2 dispersion adj2 X-ray adj2 spectroscopy) with (outside or inside)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 17:26
L17	632	(solar near3 cell) and (resistance) near5 composition	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 17:51

L18	369	(@ad<"20050304" or @rlad<"20050304") and 17	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 17:51
L19	23	(solar near3 cell) and (resistance near4 (measur\$5 or detect\$3 or sens\$3 or monitor\$3 or gauge)) near7 composition	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 17:54
L20	12	(@ad<"20050304" or @rlad<"20050304") and 19	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 17:54
S55	2879	(118/723e.ccls. or 118/723er. ccls. or 156/345.43-345.47. ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/20 14:10
S56	2768	141/285-286.ccls. or 141/37. ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302. ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/20 14:10
S57	8622	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/20 14:10
S58	522	261/127.ccls. or 261/131. ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/20 14:10
S59	12775	118/715.ccls. or 118/728. ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/20 14:10
S60	7590	261/64.1.ccls. or 261/65. ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/20 14:10

S61	34284	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/20 14:10
S62	36395	S55 or S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/20 14:10
S63	2709	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/20 14:10
S64	1	10/591391	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/24 13:12
S65	3	("20030082834"   "5439575"   "5441897").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/24 13:39
S66	6	Stolt-Lars.in.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/24 13:45
S67	6	Kessler-John.in.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/24 13:46
S68	10	S66 S67	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/24 13:46

S69	7060	cigs	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 09:59
S70	450	cigs near3 solar adj2 cell	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 10:00
S71	371	S70 and (control\$4 or sens \$3 or detect\$3 or monitor \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 10:01
S72	116	(@ad<"20050304" or @rlad<"20050304") and S71	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 10:02
S73	79	S72 and molybdenum near5 layer	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 10:56
S74	450	cigs near3 solar adj2 cell	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 10:57
S75	371	S74 and (control\$4 or sens \$3 or detect\$3 or monitor \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 10:57
S76	116	(@ad<"20050304" or @rlad<"20050304") and S75	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 10:57
S77	9	S76 and molybdenum near3 back near2 layer	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 10:57
S78	450	cigs near3 solar adj2 cell	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 13:27
S79	371	S78 and (control\$4 or sens \$3 or detect\$3 or monitor \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 13:27
S80	116	(@ad<"20050304" or @rlad<"20050304") and S79	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 13:27
S81	1	S80 and profilometers	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 13:27
S82	5	S80 and xrf	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 13:29
S83	48	S80 and (Ga! or gallium) adj3 (cu! or copper) adj3 (In! or indium)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 13:52
S84	128	S78 and (Ga! or gallium) adj3 (cu! or copper) adj3 (In! or indium)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 14:03
S85	48	(@ad<"20050304" or @rlad<"20050304") and S84	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 14:03
S86	128	(@ad<"20050304" or @rlad<"20050304") and S78	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 14:04
S87	12	S86 not S80	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 14:05
S88	374	S78 and (order or sequence)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 14:06
S89	4	S78 and (order or sequence) near4 (Ga! or gallium) adj3 (cu! or copper) adj3 (In! or indium)	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 14:06

S90	12	Ga/cu/In	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 14:13
S91	43	10/943685	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/18 14:16
S92	49	("4335266"   "4523051"   "4611091"   "4612411"   "4680422"   "4684761"   "4703131"   "4735662"   "4795501"   "4867801"   "4915745"   "5028274"   "Re31968").PN. OR ("5141564").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 06:34
S93	979	(doser or evaporator or vaporizer or crucible or (knudsen or effusion) adj cell or (evaporat\$3 or vaporat\$3 or vapor) near3 (source or unit or device or apparatus or container or vessel or suppl\$2) near4 (rows! or columns!)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 07:26
S94	103	S93 and (roller or conveyor or in-line or web)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 07:29
S95	72	(@ad<"20050304" or @rlad<"20050304") and S94	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 07:29
S96	2020	(118/726).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/02/02 10:58
S97	1100	(@ad<"20050304" or @rlad<"20050304") and S96	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 10:58
S98	979	(doser or evaporator or vaporizer or crucible or (knudsen or effusion) adj cell or (evaporat\$3 or vaporat\$3 or vapor) near3 (source or unit or device or apparatus or container or vessel or suppl\$2) near4 (rows! or columns!)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 11:00
S99	103	S98 and (roller or conveyor or in-line or web)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 11:00
S100	216	(solar near3 cell) and (roller or conveyor or in-line or web) and (sens\$3 or detect \$3 or monitor\$3 or quartz near3 crystal) near5 thickness	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 11:15
S101	133	(@ad<"20050304" or @rlad<"20050304") and S100	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 11:15

S102	6	(solar near3 cell) and (roller or conveyor or in-line or web) and (sens\$3 or detect\$3 or monitor\$3 or quartz near3 crystal) near5 thickness with outside	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 11:25
S103	1	(solar near3 cell) and (doser or evaporator or vaporizer or crucible or (knudsen or effusion) adj cell or (evaporat\$3 or vaporat\$3 or vapor) near3 (source or unit or device or apparatus or container or vessel or suppl\$2)) near4 outside near5 (roller or conveyor or in-line or web)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 11:37
S104	2	(solar near3 cell) and source near4 outside near5 (roller or conveyor or in-line or web)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 11:41
S105	451	(solar near3 cell) and (X-ray near2 fluorescence or SRF or EDX or energy adj2 dispersion adj2 X-ray adj2 spectroscopy)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 11:54
S106	219	(@ad<"20050304" or @rlad<"20050304") and S105	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 11:55
S107	1169	(solar near3 cell) and (resistance) near5 thickness	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 12:14
S108	2	(solar near3 cell) and (resistance near3 (sens\$3 or detect\$3 or monitor\$3 ) ) near5 thickness	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 12:15
S109	333	(solar adj2 cell) and (Ga! or gallium) adj2 (cu! or copper) adj2 (!n! or indium)	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 12:35
S110	139	(@ad<"20050304" or @rlad<"20050304") and S109	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 12:35

**EAST Search History (Interference)**

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